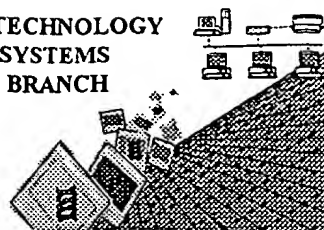


BIOTECHNOLOGY
SYSTEMS
BRANCH



1632
#12

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/666,144
Source: /600
Date Processed by STIC: 12/27/2002

RECEIVED

JAN 02 2003

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

09/666,144

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1600

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/666,144

TIME: 14:59:56

Input Set : A:\Kumar Sequence Listing.txt

Output Set: N:\CRF4\12272002\I666144.raw

5 <110> APPLICANT: Council of Scientific and Industrial Research

9 <120> TITLE OF INVENTION: Chiral, Charged peptide Nucleic Acid Oligomers from Cyclic

Monomers

13 <130> FILE REFERENCE: 0421-NF-206/00

OK 17 <140> CURRENT APPLICATION NUMBER: US/09/666,144

19 <141> CURRENT FILING DATE: 2002-09-20

23 <160> NUMBER OF SEQ ID NOS: 13

27 <170> SOFTWARE: PatentIn version 3.1

31 <210> SEQ ID NO: 1

33 <211> LENGTH: 9

35 <212> TYPE: PRT

37 <213> ORGANISM: none

41 <220> FEATURE:

43 <221> NAME/KEY: MISC_FEATURE

45 <222> LOCATION: (1)..(7)

47 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)

glycine

48 through the N-acetyl group at position 1 of the heterocycle

52 <220> FEATURE:

54 <221> NAME/KEY: MISC_FEATURE

56 <222> LOCATION: (8)..(8)

58 <223> OTHER INFORMATION: Thymine heterocycle is attached at C4 position of N1-(2-

aminoethy

59 1)proline through position 1 of the heterocycle

63 <220> FEATURE:

65 <221> NAME/KEY: MISC_FEATURE

67 <222> LOCATION: (9)..(9)

69 <223> OTHER INFORMATION: b-Ala

73 <400> SEQUENCE: 1

OK-> 75 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

76 1 5

79 <210> SEQ ID NO: 2

81 <211> LENGTH: 9

83 <212> TYPE: PRT

85 <213> ORGANISM: none

89 <220> FEATURE:

91 <221> NAME/KEY: MISC_FEATURE

93 <222> LOCATION: (1)..(3)

95 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)

glycine

96 through the N-acetyl group at position 1 of the heterocycle

100 <220> FEATURE:

102 <221> NAME/KEY: MISC_FEATURE

104 <222> LOCATION: (5)..(7)

pp 1,3,5,6,8,10
Does Not Comply
Corrected Diskette Needed
globally invalid response. See item 10 on Error Summary sheet.

106 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine
107 through the N-acetyl group at position 1 of the heterocycle
111 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/666,144

DATE: 12/27/2002

TIME: 14:59:56

Input Set : A:\Kumar Sequence Listing.txt

Output Set: N:\CRF4\12272002\I666144.raw

113 <221> NAME/KEY: MISC_FEATURE
 115 <222> LOCATION: (4)..(4)
 117 <223> OTHER INFORMATION: Thymine heterocycle is attached at C4 position of N1-(2-aminoethyl
 118 1)proline through position 1 of the heterocycle
 122 <220> FEATURE:
 124 <221> NAME/KEY: MISC_FEATURE
 126 <222> LOCATION: (8)..(8)
 128 <223> OTHER INFORMATION: Thymine heterocycle is attached at C4 position of N1-(2-aminoethyl
 129 1)proline through position 1 of the heterocycle
 133 <220> FEATURE:
 135 <221> NAME/KEY: MISC_FEATURE
 137 <222> LOCATION: (9)..(9)
 139 <223> OTHER INFORMATION: b-Ala
 143 <400> SEQUENCE: 2
 145 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 146 1 5
 149 <210> SEQ ID NO: 3
 151 <211> LENGTH: 9
 153 <212> TYPE: PRT
 155 <213> ORGANISM: none
 159 <220> FEATURE:
 161 <221> NAME/KEY: MISC_FEATURE
 163 <222> LOCATION: (1)..(1)
 165 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
 glycine
 166 through the N-acetyl group at position 1 of the heterocycle
 170 <220> FEATURE:
 172 <221> NAME/KEY: MISC_FEATURE
 174 <222> LOCATION: (3)..(3)
 176 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
 glycine
 177 through the N-acetyl group at position 1 of the heterocycle
 181 <220> FEATURE:
 183 <221> NAME/KEY: MISC_FEATURE
 185 <222> LOCATION: (5)..(5)
 187 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
 glycine
 188 through the N-acetyl group at position 1 of the heterocycle
 192 <220> FEATURE:
 194 <221> NAME/KEY: MISC_FEATURE
 196 <222> LOCATION: (7)..(7)
 198 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
 glycine
 199 through the N-acetyl group at position 1 of the heterocycle
 203 <220> FEATURE:
 205 <221> NAME/KEY: MISC_FEATURE
 207 <222> LOCATION: (2)..(2)
 209 <223> OTHER INFORMATION: Thymine heterocycle is attached at C4 position of N1-(2-aminoethyl
 210 1)proline through position 1 of the heterocycle
 214 <220> FEATURE:

216 <221> NAME/KEY: MISC_FEATURE
218 <222> LOCATION: (4)..(4)
220 <223> OTHER INFORMATION: Thymine heterocycle is attached at C4 position of N1-(2-
aminoethy

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/666,144

TIME: 14:59:56

Input Set : A:\Kumar Sequence Listing.txt

Output Set: N:\CRF4\12272002\I666144.raw

221 1)proline through position 1 of the heterocycle
 225 <220> FEATURE:
 227 <221> NAME/KEY: MISC_FEATURE
 229 <222> LOCATION: (6)..(6)
 231 <223> OTHER INFORMATION: Thymine heterocycle is attached at C4 position of N1-(2-aminoethy
 232 1)proline through position 1 of the heterocycle
 236 <220> FEATURE:
 238 <221> NAME/KEY: MISC_FEATURE
 240 <222> LOCATION: (8)..(8)
 242 <223> OTHER INFORMATION: Thymine heterocycle is attached at C4 position of N1-(2-aminoethy
 243 1)proline through position 1 of the heterocycle
 247 <220> FEATURE:
 249 <221> NAME/KEY: MISC_FEATURE
 251 <222> LOCATION: (9)..(9)
 253 <223> OTHER INFORMATION: b-Ala
 257 <400> SEQUENCE: 3
 259 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 260 1 5
 263 <210> SEQ ID NO: 4
 265 <211> LENGTH: 9
 267 <212> TYPE: PRT
 269 <213> ORGANISM: none
 273 <220> FEATURE:
 275 <221> NAME/KEY: MISC_FEATURE
 277 <222> LOCATION: (1)..(8)
 279 <223> OTHER INFORMATION: Thymine heterocycle is attached at C4 position of N1-(2-aminoethy
 280 1)proline through position 1 of the heterocycle
 284 <220> FEATURE:
 286 <221> NAME/KEY: MISC_FEATURE
 288 <222> LOCATION: (9)..(9)
 290 <223> OTHER INFORMATION: b-Ala
 294 <400> SEQUENCE: 4
 296 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 297 1 5
 300 <210> SEQ ID NO: 5
 302 <211> LENGTH: 9
 304 <212> TYPE: PRT
 306 <213> ORGANISM: none
 310 <220> FEATURE:
 312 <221> NAME/KEY: MISC_FEATURE
 314 <222> LOCATION: (1)..(8)
 316 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
 glycine
 317 through the N-acetyl group at position 1 of the heterocycle
 321 <220> FEATURE:
 323 <221> NAME/KEY: MISC_FEATURE
 325 <222> LOCATION: (9)..(9)
 327 <223> OTHER INFORMATION: b-ala
 331 <400> SEQUENCE: 5
 333 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/666,144

TIME: 14:59:56

Input Set : A:\Kumar Sequence Listing.txt

Output Set: N:\CRF4\12272002\I666144.raw

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334 1          5
337 <210> SEQ ID NO: 6
339 <211> LENGTH: 13
341 <212> TYPE: PRT
343 <213> ORGANISM: none
347 <220> FEATURE:
349 <221> NAME/KEY: MISC_FEATURE
351 <222> LOCATION: (1)..(2)
353 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine
354          through the N-acetyl group at position 1 of the heterocycle
358 <220> FEATURE:
360 <221> NAME/KEY: MISC_FEATURE
362 <222> LOCATION: (3)..(3)
364 <223> OTHER INFORMATION: Adenine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine
365          through the N-acetyl group at position 9 of the heterocycle
369 <220> FEATURE:
371 <221> NAME/KEY: MISC_FEATURE
373 <222> LOCATION: (4)..(5)
375 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine
376          through the N-acetyl group at position 1 of the heterocycle
380 <220> FEATURE:
382 <221> NAME/KEY: MISC_FEATURE
384 <222> LOCATION: (7)..(8)
386 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine
387          through the N-acetyl group at position 1 of the heterocycle
391 <220> FEATURE:
393 <221> NAME/KEY: MISC_FEATURE
395 <222> LOCATION: (10)..(10)
397 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine
398          through the N-acetyl group at position 1 of the heterocycle
402 <220> FEATURE:
404 <221> NAME/KEY: MISC_FEATURE
406 <222> LOCATION: (12)..(12)
408 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine
409          through the N-acetyl group at position 1 of the heterocycle
413 <220> FEATURE:
415 <221> NAME/KEY: MISC_FEATURE
417 <222> LOCATION: (6)..(6)
419 <223> OTHER INFORMATION: Adenine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine
420          through the N-acetyl group at position 9 of the heterocycle
424 <220> FEATURE:
426 <221> NAME/KEY: MISC_FEATURE
428 <222> LOCATION: (9)..(9)
430 <223> OTHER INFORMATION: Adenine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine
431          through the N-acetyl group at position 9 of the heterocycle

```


435 <220> FEATURE:
437 <221> NAME/KEY: MISC_FEATURE
439 <222> LOCATION: (11)..(11)
441 <223> OTHER INFORMATION: Adenine heterocycle is attached to N-acetyl(2-aminoethyl)
glycine

RAW SEQUENCE LISTING

DATE: 12/27/2002

PATENT APPLICATION: US/09/666,144

TIME: 14:59:56

Input Set : A:\Kumar Sequence Listing.txt

Output Set: N:\CRF4\12272002\I666144.raw

442 through the N-acetyl group at position 9 of the heterocycle

446 <220> FEATURE:

448 <221> NAME/KEY: MISC_FEATURE

450 <222> LOCATION: (13)..(13)

452 <223> OTHER INFORMATION: b-Ala

456 <400> SEQUENCE: 6

OK → 458 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

459 1 5 10

462 <210> SEQ ID NO: 7

464 <211> LENGTH: 13

466 <212> TYPE: PRT

468 <213> ORGANISM: none The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

472 <220> FEATURE:

474 <221> NAME/KEY: MISC_FEATURE

476 <222> LOCATION: (3)..(3)

478 <223> OTHER INFORMATION: Adenine heterocycle is attached to N-acetyl(2-aminoethyl)glycine

479 through the N-acetyl group at position 9 of the heterocycle

483 <220> FEATURE:

485 <221> NAME/KEY: MISC_FEATURE

487 <222> LOCATION: (6)..(6)

489 <223> OTHER INFORMATION: Adenine heterocycle is attached to N-acetyl(2-aminoethyl)glycine

490 through the N-acetyl group at position 9 of the heterocycle

494 <220> FEATURE:

496 <221> NAME/KEY: MISC_FEATURE

498 <222> LOCATION: (9)..(9)

500 <223> OTHER INFORMATION: Adenine heterocycle is attached to N-acetyl(2-aminoethyl)glycine

501 through the N-acetyl group at position 9 of the heterocycle

505 <220> FEATURE:

507 <221> NAME/KEY: MISC_FEATURE

509 <222> LOCATION: (11)..(11)

511 <223> OTHER INFORMATION: Adenine heterocycle is attached to N-acetyl(2-aminoethyl)glycine

512 through the N-acetyl group at position 9 of the heterocycle

516 <220> FEATURE:

518 <221> NAME/KEY: MISC_FEATURE

520 <222> LOCATION: (12)..(12)

522 <223> OTHER INFORMATION: Thymine heterocycle is attached at C4 position of N1-(2-aminoethyl)proline through position 1 of the heterocycle

523 1)proline through position 1 of the heterocycle

527 <220> FEATURE:

529 <221> NAME/KEY: MISC_FEATURE

531 <222> LOCATION: (13)..(13)

533 <223> OTHER INFORMATION: b-Ala

537 <220> FEATURE:

539 <221> NAME/KEY: MISC_FEATURE

541 <222> LOCATION: (1)..(2)

543 <223> OTHER INFORMATION: Thymine heterocycle is attached to N-acetyl(2-aminoethyl)glycine

544 through the N-acetyl group at position 1 of the heterocycle

548 <220> FEATURE:

550 <221> NAME/KEY: MISC_FEATURE
552 <222> LOCATION: (4)..(5)

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/09/666,144

DATE: 12/27/2002
 TIME: 14:59:57

Input Set : A:\Kumar Sequence Listing.txt
 Output Set: N:\CRF4\12272002\I666144.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9
 Seq#:2; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9
 Seq#:3; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9
 Seq#:4; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9
 Seq#:5; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9
 Seq#:6; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
 Seq#:7; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
 Seq#:8; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
 Seq#:9; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
 Seq#:10; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21
 Seq#:11; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21
 Seq#:12; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
 Seq#:13; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

VERIFICATION SUMMARY

DATE: 12/27/2002

PATENT APPLICATION: US/09/666,144

TIME: 14:59:57

Input Set : A:\Kumar Sequence Listing.txt

Output Set: N:\CRF4\12272002\I666144.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application Number
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:1029 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16
L:1229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16
L:1369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:1505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0